

**PATENT**

Docket No. 5634.223

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s): John C. Harvey and James W.  
Cuddihy

Serial No.: 08/460,817

Filing Date: 2-Jun-95

For: SIGNAL PROCESSING APPARATUS  
AND METHODS



Group Art Unit: 2602

Examiner: J. Groody

Assistant Commissioner for Patents  
Washington D.C. 20231

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 CFR 1.97(c)**

S I R:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a) and in conformance with the procedures of 37 C.F.R. §§ 1.97-98 and M.P.E.P. § 609, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. A copy of the listed reference is provided herewith.

It is respectfully requested that the information above be expressly considered during the prosecution of this application, and that the reference be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

**CERTIFICATION**

I hereby certify that no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

Respectfully submitted,

Dated: April 7, 1997

*Thomas J. Scott Jr.*

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.O./



<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <b>CITATION FORM</b>	Attorney Docket No. 5634.223	Serial No. 08/460,817
	Applicant(s) John C. Harvey and James W. Cuddihy	
	Filing Date 2-Jun-95	Group Art Unit 2602

**UNITED STATES PATENT DOCUMENTS**

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS/ SUBCLASS	FILING DATE*
	27,810	November 20, 1973	Buehrle	325/321	
	33,189	September 3, 1861	Dougal		
	2,418,127	April 1, 1947	Labin	178/44	
	2,563,448	August 7, 1951	Aram	178/5.1	
	2,731,197	January 17, 1956	Parker et al.	235/60	
	3,071,649	January 1, 1963	Goodall	179/1.5	
	3,107,274	October 15, 1963	Roschke	178/5.1	
	3,133,986	May 19, 1964	Morris et al.	178/5.1	
	3,251,051	May 10, 1966	Harries	340/345	
	3,470,309	September 30, 1969	Nyberg	178/5.1	
	3,478,166	November 11, 1969	Reiter et al.	178/5.1	
	3,526,843	September 1, 1970	Sanville	329/104	
	3,546,684	December 8, 1970	Maxwell et al.	340/172.5	
	3,639,686	February 1, 1972	Walker et al.	178/5.8R	
	3,649,749	March 14, 1972	Gibson	178/5.6	
	3,651,261	March 21, 1972	Guanella	178/22	
	3,666,888	May 30, 1972	Sekimoto	178/69.5 TV	
	3,723,637	March 27, 1973	Fujio et al.	178/5.2R	
	3,746,799	July 17, 1973	Gentges	178/22	
	3,755,624	August 28, 1973	Sekimoto	178/69.5 TV	
	3,769,579	October 30, 1973	Hamey	325/31	
	3,773,979	November 20, 1973	Kirk, Jr. et al.	179/15 FD	
	3,777,053	December 4, 1973	Wittig et al.	178/5.1	
	3,789,131	January 29, 1974	Hamey	178/5.1	
	3,794,922	February 26, 1974	Osborn et al.	325/53	
	3,795,763	March 5, 1974	Golding et al.	178/5.6	
	3,813,482	May 28, 1974	Blonder	178/5.1	
	3,826,863	July 30, 1974	Johnson	178/5.1	
	3,859,596	January 7, 1975	Jennery et. al.	325/31	
	3,882,289	May 6, 1975	Walding et al.	200/11 D	
	3,885,089	May 20, 1975	Callais et al.	178/5.1	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.O./

	3,889,054	June 10, 1975	Nagel et al.	178/6.8	
	3,894,177	July 8, 1975	Howell et al.	178/5.6	
	3,896,262	July 22, 1975	Hudspeth et al.	178/5.1	
	3,896,266	July 22, 1975	Waterbury	179/1 SB	
	3,916,091	October 28, 1975	Kirk, Jr. et al.	178/5.1	
	3,924,059	December 2, 1975	Horowitz	178/5.1	
	3,950,618	April 13, 1976	Bloisi	179/2 AS	
	3,958,081	May 18, 1976	Ehrsam et al.	178/22	
	3,975,585	August 17, 1976	Kirk, Jr. et al.	178/5.1	
	3,990,012	November 2, 1976	Karnes	325/308	
	3,996,586	December 7, 1976	Dillon et al.	340/347 DD	
	4,004,085	January 18, 1977	Makino et al.	340/324	
	4,008,369	February 15, 1977	Theurer et al.	358/84	
	4,013,875	March 22, 1977	McGlynn	235/150.2	
	4,015,286	March 29, 1977	Russell	358/13	
	4,017,697	April 12, 1977	Larson	200/5 A	
	4,019,201	April 19, 1977	Hartung et al.	358/124	
	4,020,419	April 26, 1977	Caspari et al.	325/421	
	4,024,574	May 17, 1977	Nieson	358/117	
	4,024,575	May 7, 1977	Hamey et al.	358/118	
	4,027,267	May 31, 1977	Larsen	329/106	
	4,027,331	May 31, 1977	Nicol	358/135	
	4,042,958	August 16, 1977	Saylor et al.	358/141	
	4,044,376	August 23, 1977	Porter	358/84	
	4,045,814	August 30, 1977	Hartung et al.	358/124	
	4,054,911	October 18, 1977	Fletcher et al.	358/141	
	4,064,490	December 20, 1977	Nagel	364/2000	
	4,070,693	January 24, 1978	Shutterly	358/123	
	4,075,660	February 21, 1978	Horowitz	358/124	
	4,079,419	March 14, 1978	Seigle et al.	358/193	
	4,081,754	March 28, 1978	Jackson	325/396	
	4,081,832	March 28, 1978	Sherman		
	4,086,434	April 25, 1978	Bocchi	79/2 AM	
	4,088,958	May 9, 1978	Suzuki et al.	325/396	
	4,091,417	May 23, 1978	Nieson	358/117	
	4,095,258	June 13, 1978	Sperber	358/120	
	4,096,542	June 20, 1978	Pappas et al.	361/196	
	4,104,681	August 1, 1978	Saylor et al.	358/141	
	4,107,734	August 15, 1978	Percy et al.	358/84	
	4,107,735	August 15, 1978	Frobach	358/84	
	4,112,317	September 5, 1978	Everswick	307/308	
	4,112,383	September 5, 1978	Burgert	329/50	
	4,114,841	September 19, 1978	Muhlfelder et al.	244/166	
	4,120,003	October 10, 1978	Mitchell et al.	358/142	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.O./

	4,124,887	November 7, 1978	Johnson et al.	364/107	
	4,126,762	November 21, 1978	Martin et al.	179/2A	
	4,135,213	January 16, 1979	Wintfeld et al.	358/142	
	4,142,156	February 27, 1979	Freund	325/309	
	4,145,717	March 20, 1979	Guif et al.	358/121	
	4,148,066	April 3, 1979	Saylor	358/127	
	4,156,253	May 22, 1979	Steudel	358/11	
	4,156,931	May 29, 1979	Adelman et al.	364/900	
	4,163,252	July 31, 1979	Mistry et al.	358/118	
	4,180,709	December 25, 1979	Cosgrove et al.	179/2 AM	
	4,199,656	April 22, 1980	Saylor	178/66.1	
	4,199,781	April 22, 1980	Doumit	358/83	
	4,199,809	April 22, 1980	Pasahow et al.	364/200	
	4,207,524	June 10, 1980	Purchase	375/22	
	4,214,273	July 22, 1980	Brown	358/188	
	4,215,366/ 31,735	November 13, 1984	Davidson	358/124	
	4,216,497	August 5, 1980	Ishman et al.	358/84	
	4,222,068	September 9, 1980	Thompson	358/120	
	4,225,884	September 30, 1980	Block et al.	358/122	
	4,245,246	January 13, 1981	Cheung	358/124	
	4,246,611	January 20, 1981	Davies	358/194	
	4,247,947	January 27, 1981	Miyamoto	455/38	
	4,250,521	February 10, 1981	Wright	358/8	
	4,258,386	March 24, 1981	Cheung	358/84	
	4,266,243	May 5, 1981	Shutterly	358/121	
	4,272,784	June 9, 1981	Saito et al.	358/127	
	4,273,962	June 16, 1981	Wolfe	179/7.1R	
	4,292,650	September 29, 1981	Hendrickson	358/123	
	4,295,155	October 13, 1981	Jarger et al.	358/12	
	4,301,542	November 17, 1981	Weintraub et al.	455/353	
	4,305,101	December 8, 1981	Yarbrough et al.	360/69	
	4,310,854	January 12, 1982	Baer et al.	358/143	
	4,316,217	February 16, 1982	Rifken	358/86	
	4,318,047	March 2, 1982	Dawson	328/112	
	4,323,921	April 6, 1982	Guillou	358/114	
	4,323,922	April 6, 1982	den Toonder et al.	358/117	
	4,329,711	May 11, 1982	Cheung	358/114	
	4,335,426	June 15, 1982	Maxwell et al.	364/200	
	4,340,906	July 20, 1982	den Tooder et al.	358/124	
	4,341,925	July 27, 1982	Frosch et al.	178/22.17	
	4,343,042	August 3, 1982	Schrock et al.	455/5	
	4,348,696	September 7, 1982	Bejer	358/188	
	4,351,028	September 21, 1982	Peddie et al.	364/483	
	4,354,201	October 12, 1982	Sechet et al.	358/122	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.O./

	4,355,415	October 19, 1982	George et al.	455/185	
	4,358,672	November 9, 1982	Hyatt et al.	235/380	
	4,360,881	November 23, 1982	Martinson	364/493	
	4,361,848	November 30, 1982	Poignet et al.	358/1	
	4,361,851	November 30, 1982	Asip et al.	358/84	
	4,361,903	November 30, 1982	Ohta	455/2	
	4,365,267	December 21, 1982	Tsuda	358/84	
	4,378,470	March 29, 1983	Murto et al.	179/2 C	
	4,382,256	May 5, 1983	Nagata	340/825.44	
	4,385,384	May 24, 1983	Rosbury et al.	371/22	
	4,386,436	May 31, 1983	Kocher et al.	455/151	
	4,388,643	June 14, 1983	Aminetzah	358/123	
	4,388,644	June 14, 1983	Ishman et al.	358/84	
	4,390,898	June 28, 1983	Bond et al.	358/1199	
	4,390,901	June 28, 1983	Keiser et al.	358/147	
	4,392,135	July 5, 1983	Ohyagi	340/825.44	
	4,393,277	July 12, 1983	Besen et al.	179/2 A	
	4,408,345	October 4, 1983	Yashiro et al.	455/3	
	4,411,017	October 18, 1983	Talbot	455/26	
	4,414,621	November 8, 1983	Bown et al.	364/200	
	4,415,771	November 15, 1983	Martinez	179/5R	
	4,418,425	November 29, 1983	Fennel et al	455/27	
	4,424,533	January 3, 1984	Rzeszewski	358/167	
	4,425,578	January 10, 1984	Haselwood et al.	358/84	
	4,425,579	January 10, 1984	Merrell	358/86	
	4,425,664	January 10, 1984	Sherman et al.	375/8	
	4,427,968	January 24, 1984	York	340/310	
	4,429,385	January 31, 1984	Cichelli et al.	370/92	
	4,430,731	February 7, 1984	Gimple et al.	370/30	
	4,434,438	February 28, 1984	Rzeszewski	358/167	
	4,439,785	March 27, 1984	Leonard	358/120	
	4,450,481	May 22, 1984	Dickinson	358/114	
	4,450,531	May 22, 1984	Kenyon et al.	364/604	
	4,454,538	June 12, 1984	Toriumi	358/86	
	4,468,701	August 28, 1984	Burcher et al.	358/181	
	4,471,352	September 11, 1984	Soulliard et al.	340/825.44	
	4,473,068	September 25, 1984	Oh	128/92D	
	4,475,123	October 2, 1984	Dumbauld et al.	358/114	
	4,476,535	October 9, 1984	Loshing et al.	364/480	
	4,484,218	November 20, 1984	Boland et al.	358/86	
	4,484,328	November 20, 1984	Schlaflly	370/85	
	4,488,179	December 11, 1984	Kruger et al.	358/181	
	4,489,220	December 18, 1984	Oliver	179/2 AM	
	4,489,316	December 18, 1984	MacQuivey	340/700	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.O./

	4,494,142	January 15, 1985	Mistry	358/118	
	4,496,975	January 29, 1985	Noirel	358/147	
	4,504,831	March 12, 1985	Jahr et al.	340/870.03	
	4,506,387	March 9, 1985	Walter	455/612	
	4,510,623	April 9, 1985	Bonneau et al.	455/181	
	4,528,589	July 9, 1985	Block et al.	358/122	
	4,531,020	July 23, 1985	Wechselberger et al.	178/22.08	
	4,531,021	July 23, 1985	Bluestein et al.	178/22.08	
	4,540,849	September 10, 1985	Oliver	179/2 AM	
	4,543,616	September 24, 1985	Brooks	358/335	
	4,547,804	October 15, 1985	Greenberg	358/142	
	4,554,584	November 19, 1985	Elam et al.	358/165	
	4,558,464	December 10, 1985	O'Brien, Jr.	455/4	
	4,563,702	January 7, 1986	Heller et al.	358/119	
	4,566,030	January 21, 1986	Nickerson et al.	358/84	
	4,570,930	February 18, 1986	Matheson	273/1 E	
	4,578,536	March 25, 1986	Oliver et al.	179/2 AM	
	4,578,718	March 25, 1986	Parker et al.	360/10.3	
	4,592,546	June 3, 1986	Fascenda et al.	273/1 E	
	4,592,546	June 3, 1986	Fascenda et al.	273/1 E	
	4,594,609	July 10, 1986	Romao et al.	358/119	
	4,595,952	June 17, 1986	Filliman	358/47	
	4,600,918	July 15, 1986	Belisomi et al.	340/711	
	4,600,921	July 15, 1986	Thomas	340/825.31	
	4,605,964	August 12, 1986	Chard	358/147	
	4,611,227	September 9, 1986	Brockhurst et al.	358/147	
	4,613,901	September 23, 1986	Gilhousen et al.	358/122	
	4,621,259	November 4, 1986	Schepers et al.	340/707	
	4,621,285	November 4, 1986	Schilling et al.	358/120	
	4,623,920	November 18, 1986	Dufresne et al.	358/122	
	4,626,892	December 2, 1986	Nortrup et al.	358/21 R	
	4,633,297	December 30, 1986	Skerlos et al.	358/22	
	4,636,858	January 13, 1987	Hague et al.	358/147	
	4,638,357	January 20, 1987	Heimbach	358/121	
	4,639,779	January 27, 1987	Greenberg	358/142	
	4,646,145	February 24, 1987	Percy et al.	358/84	
	4,649,533	March 10, 1987	Chorley et al.	370/58	
	4,658,290	April 14, 1987	McKenna	358/84	
	4,677,685	June 30, 1987	Kurisu	455/4	
	4,694,490	September 15, 1987	Harvey et al.	380/20	
	4,704,725	November 3, 1987	Harvey et al.	380/48	
	4,706,121	November 10, 1987	Young	358/142	
	4,710,919	December 1, 1987	Oliver et al.	370/96	
	4,710,955	December 1, 1987	Kauffman	380/10	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.O./

	4,718,107	January 5, 1988	Hayes	455/4	
	4,723,302	February 2, 1988	Fulmer et al.	455/2	
	4,736,422	April 5, 1988	Mason	380/120	
	4,744,080	May 10, 1988	Brennand et al.	280/21	
	4,751,732	June 14, 1988	Kamitake	380/20	
	4,754,326	June 28, 1988	Kram et al.	364/900	
	4,768,144	August 30, 1988	Winter et al.	364/200	
	4,768,229	August 30, 1988	Benjamin et al.	380/20	
	4,782,401	November 1, 1988	Faerber et al.	358/335	
	4,785,420	November 15, 1988	Little	364/513.5	
	4,796,181	January 3, 1989	Wiedmer	364/406	
	4,803,725	February 7, 1989	Horne et al.	380/44	
	4,805,020	February 14, 1989	Greenberg	358/147	
	4,807,031	February 21, 1989	Broughton et al.	358/142	
	4,809,274	February 28, 1989	Walker et al.	371/37	
	4,816,904	March 28, 1989	McKenna et al.	358/84	
	4,837,799	June 6, 1989	Prohs et al.	379/224	
	4,839,917	June 13, 1989	Oliver	379/45	
	4,841,386	June 20, 1989	Schiering	360/69	
	4,843,482	June 27, 1989	Hegendorfer	358/335	
	4,849,817	July 18, 1989	Short	358/142	
	4,855,842	August 8, 1989	Hayes et al.	358/342	
	4,857,999	August 15, 1989	Welsh	358/84	
	4,862,268	August 9, 1989	Campbell et al.	358/141	
	4,864,615	September 5, 1989	Bennett et al.	380/21	
	4,876,736	October 24, 1989	Kiewit	455/2	
	4,879,611	November 7, 1989	Fukui et al.	360/69	
	4,885,579	December 5, 1989	Sandbank	340/825.72	
	4,885,632	December 5, 1989	Mabey et al.	358/84	
	4,888,638	December 19, 1989	Bohn	358/84	
	4,888,796	December 19, 1989	Olivo, Jr.	379/101	
	4,890,320	December 26, 1989	Monslow et al.	380/10	
	4,891,703	January 2, 1990	Noudan	358/142	
	4,897,867	January 30, 1990	Foster et al.	379/94	
	4,907,260	March 6, 1990	Prohs et al.	379/224	
	4,907,273	March 6, 1990	Wiedemer	380/16	
	4,908,707	March 13, 1990	Kinghorn	358/147	
	4,908,713	March 13, 1990	Levine	358/335	
	4,908,834	March 13, 1990	Wiedemer	380/5	
	4,908,845	March 13, 1990	Little	379/51	
	4,912,552	March 27, 1990	Allison, III et al	358/84	
	4,914,517	April 3, 1990	Duffield	358/191.1	
	4,930,158	May 29, 1990	Vogel	380/5	
	4,931,871	June 5, 1990	Kramer	358/142	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.O./

	4,931,877	June 5, 1990	Gebhardt et al.	358/335	
	4,935,870	June 19, 1990	Bork, Jr. et al.	364/200	
	4,939,773	July 3, 1990	Katz	379/204	
	4,943,963	July 24, 1990	Waechter et al.	370/94.1	
	4,945,412	July 31, 1990	Kramer	358/142	
	4,945,563	July 31, 1990	Horton et al.	380/5	
	4,947,302	August 7, 1990	Callahan	362/233	
	4,949,187	August 14, 1990	Cohen	358/335	
	4,954,899	September 4, 1990	Tanabe et al.	358/191.1	
	4,959,720	September 25, 1990	Duffield et al.	358/191.1	
	4,963,994	October 16, 1990	Levine	358/335	
	4,963,995	October 16, 1990	Lang	358/335	
	4,965,825	October 23, 1990	Harvey et al.	380/9	
	4,967,273	October 30, 1990	Greenberg	358/142	
	4,975,951	December 9, 1990	Bennett	380/20	
	4,977,455	December 11, 1990	Young	358/142	
	4,982,430	January 1, 1991	Frezza et al.	380/50	
	4,989,104	January 29, 1991	Schulein et al.	360/72.1	
	4,991,011	February 5, 1991	Johnson et al.	358/141	
	4,991,025	February 5, 1991	Eigeldinger	358/310	
	4,993,003	February 12, 1991	Fechner et al.	368/47	
	4,993,066	February 12, 1991	Jenkins	380/16	
	4,994,908	February 19, 1991	Kuban et al.	358/86	
	4,995,078	February 19, 1991	Monslow et al.	380/10	
	5,001,554	March 19, 1991	Johnson et al.	358/86	
	5,002,491	March 26, 1991	Abrahamson et al.	434/322	
	5,003,384	March 26, 1991	Durden et al.	358/84	
	5,003,591	March 26, 1991	Kauffman et al.	380/10	
	5,010,459	April 23, 1991	Taylor et al.	362/85	
	5,012,510	April 30, 1991	Schaubs et al.	379/92	
	5,013,038	May 7, 1991	Luxenberg et al.	273/439	
	5,014,125	May 7, 1991	Pocock et al.	358/86	
	5,016,272	May 14, 1991	Stubbs et al.	380/5	
	5,016,273	May 14, 1991	Hoff	380/10	
	5,027,400	June 25, 1991	Baji et al.	380/20	
	5,029,207	July 2, 1991	Gammie	380/10	
	5,038,211	August 6, 1991	Hallenbeck	358/142	
	5,045,816	September 3, 1991	Bramhall et al.	332/105	
	5,045,947	September 3, 1991	Beery	358/192.1	
	5,047,867	September 10, 1991	Strubbe et al.	358/335	
	5,047,928	September 10, 1991	Wiedemer	364/406	
	5,055,924	October 8, 1991	Skutta	358/84	
	5,057,932	October 15, 1991	Lang	358/335	
	5,058,160	October 15, 1991	Banker et al.	380/20	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.O./



	5,062,136	October 29, 1991	Gattis et al.	380/18	
	5,067,149	November 19, 1991	Schneid et al.	379/224	
	5,072,418	December 10, 1991	Boutaud et al.	364/715.06	
	5,075,771	December 24, 1991	Hashimoto	358/84	
	5,083,800	January 12, 1992	Lockton	273/439	
	5,093,718	March 3, 1992	Hoarty et al.	358/84	
	5,093,921	March 3, 1992	Bevins Jr.	455/4	
	5,101,267	March 31, 1992	Morales-Garza	358/84	
	5,108,115	April 28, 1992	Berman et al.	273/439	
	5,109,414	April 28, 1992	Fechner et al.	368/47	
	5,111,401	May 5, 1992	Everett, Jr. et al.	364/424.02	
	5,113,496	May 12, 1992	McCalley et al.	395/200	
	5,120,076	June 9, 1992	Luxemberg et al	273/439	
	5,124,942	June 23, 1992	Nielsen et al.	395/100	
	5,132,992	July 21, 1992	Yurt et al.	375/122	
	5,133,079	July 21, 1992	Ballantyne et al.	455/4.1	
	5,140,419	August 18, 1992	Galumbeck et al.	358/142	
	5,142,677	August 25, 1992	Ehlig et al.	395/650	
	5,142,690	August 25, 1992	McMullan, Jr. et al.	455/6.1	
	5,144,664	September 1, 1992	Esserman et al.	380/20	
	5,148,482	September 15, 1992	Bocci et al.	380/48	
	5,151,789	September 29, 1992	Young	358/194.1	
	5,155,590	October 13, 1992	Beyers, II et al.	358/86	
	5,155,591	October 13, 1992	Wachob	358/86	
	5,155,812	October 13, 1992	Ehlig et al.	395/275	
	5,157,716	October 20, 1992	Naddor et al	379/92	
	5,164,839	November 17, 1992	Lang	358/335	
	5,172,413	December 15, 1993	Bradley et al.	380/20	
	5,181,113	January 19, 1993	Chang	358/142	
	5,185,796	February 9, 1993	Wilson	380/21	
	5,187,797	February 16, 1993	Nielsen et al.	395/800	
	5,191,410	March 7, 1993	McCalley et al.	358/86	
	5,195,092	March 16, 1993	Wilson et al.	370/94.2	
	5,195,134	March 16, 1993	Inoue	380/20	
	5,202,916	April 13, 1993	Oliver	379/106	
	5,204,768	April 20, 1993	Tsakiris et al.	359/148	
	5,208,665	May 4, 1993	McCalley et al.	358/86	
	5,212,553	May 18, 1993	Maruoka	358/188	
	5,213,337	May 25, 1993	Sherman	273/439	
	5,216,504	June 1, 1993	Webb et al.	358/139	
	5,220,501	June 15, 1993	Lawlor et al.	364/408	
	5,222,137	June 22, 1993	Barrett et al.	380/21	
	5,223,924	June 29, 1993	Strubbe	358/86	
	5,225,902	July 6, 1993	McMullan, Jr.	358/86	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.O./

	5,226,177	July 6, 1993	Nickerson	455/2	
	5,231,493	July 27, 1993	Apitz	358/146	
	5,233,654	August 3, 1993	Harvey et al.	380/20	
	5,235,415	August 10, 1993	Bonicel et al.	358/84	
	5,235,619	August 10, 1993	Beyers, II et al.	375/38	
	5,235,634	August 10, 1993	Oliver	379/106	
	5,237,417	August 17, 1993	Hayashi et al.	358/183	
	5,237,610	August 17, 1993	Gammie et al.	380/10	
	5,239,575	August 24, 1993	White et al.	379/107	
	5,247,364	September 21, 1993	Banker et al.	358/191.1	
	5,247,575	September 21, 1993	Sprague et al.	380/9	
	5,251,324	October 5, 1993	McMullan, Jr.	455/2	
	5,251,909	October 12, 1993	Reed et al.	273/439	
	5,252,077	October 12, 1993	Schott	434/335	
	5,253,066	October 12, 1993	Vogel	358/188	
	5,253,275	October 12, 1993	Yurt et al.	375/122	
	5,254,977	October 19, 1993	MacDonald	345/150	
	5,255,086	October 19, 1993	McMullan, Jr. et al.	358/86	
	5,260,778	November 9, 1993	Kauffman et al.	358/86	
	5,266,944	November 30, 1993	Carroll et al.	340/825.36	
	5,267,305	November 30, 1993	Prohs et al.	379/233	
	5,267,865	December 7, 1993	Lee et al.	434/350	
	5,270,809	December 14, 1993	Gammie et al.	358/84	
	5,276,678	January 4, 1994	Hendrickson et al.	370/62	
	5,283,639	February 1, 1994	Esch et al.	348/6	
	5,283,819	February 1, 1994	Glick et al.	379/90	
	5,291,554	March 1, 1994	Morales	380/5	
	5,293,357	March 8, 1994	Hallenbeck	348/734	
	5,294,229	March 15, 1994	Hartzell et al.	434/336	
	5,301,233	April 5, 1994	Coutrot et al.	380/23	
	5,303,042	April 12, 1994	Lewis et al.	348/14	
	5,307,173	April 26 1994	Yuen et al.	358/335	
	5,313,618	May 17, 1994	Pawloski	395/500	
	5,313,648	May 17, 1994	Ehlig et al.	395/800	
	5,319,789	June 7, 1994	Ehlig et al.	395/800	
	5,319,792	June 7, 1994	Ehlig et al.	395/800	
	5,321,750	June 14, 1994	Nadan	380/20	
	5,327,421	July 5, 1994	Hiller et al.	370/60.1	
	5,327,554	July 5, 1994	Palazzi III et al.	395/600	
	5,335,276	August 2, 1994	Thompson et al.	380/21	
	5,335,277	August 2, 1994	Harvey et al.	380/20	
	5,343,239	August 30, 1994	Lappington et al.	348/12	
	5,343,300	August 30, 1994	Henning	348/478	
	5,345,445	September 6, 1994	Hiller et al.	370/60.1	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.O./

	5,345,446	September 6, 1994	Hiller et al.	370/60.1	
	5,345,501	September 6, 1994	Shelton	379/89	
	5,349,687	September 20, 1994	Ehlig et al.	395/800	
	5,351,130	September 27, 1994	Dugan et al.	358/725	
	5,351,970	October 4, 1994	Fioretti	273/439	
	5,353,121	October 21, 1994	Young et al.	348/563	
	5,367,330	November 22, 1994	Haave et al.	348/7	
	5,374,951	December 20, 1994	Welsh	348/4	
	5,414,773	May 9, 1995	Handelman	380/49	
	5,420,647	May 30, 1995	Levine	348/734	
	5,420,923	May 30, 1995	Beyers, II et al.	380/20	
	5,430,552	July 4, 1995	O'Callaghan	358/335	
	5,432,558	July 11, 1995	Kim	348/460	
	5,459,789	October 17, 1995	Tamer et al.	380/20	
	5,465,385	November 7, 1995	Ohga et al	455/6.1	
	5,475,754	December 12, 1995	Bridgewater et al.	380/20	
	5,485,509	January 16, 1996	Oliver	379/106	
	5,488,654	January 30, 1996	Oliver	379/106	
	5,532,754	July 2, 1996	Young et al.	348/569	
	5,534,883	July 9, 1996	Koh	345/31	
	5,535,362	July 9, 1996	Ami et al.	395/474	
	5,548,338	August 20, 1996	Ellis et al.	348/473	
	5,552,833	September 3, 1996	Henmi et al	348/460	

\* If Pertinent

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.O./

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION	
					YES	NO
	0 020 242	December 10, 1980	European	G09G 1/16		X
	0 035 456	September 9, 1981	European	H05B 3/72		X
	0 046 108	February 17, 1982	European	H04N 5/76		X
	0 049 184	April 7, 1982	European	G09B 7/08		X
	0 055 167	June 30, 1982	European	G09G 1/16		X
	0 056 649	July 28, 1982	European	H04N 5/44	X	
	0 077 712	April 27, 1983	European	H04N 7/00		X
	0 078 185	May 4, 1983	European	H04N 7/00		X
	0 583 196 A1	February 16, 1994	European	H04N 7/173	X	
	1 565 319	April 16, 1980	Great Britain	C07D 231/12	X	
	1,189,612	June 25, 1985	Canada	Ho4n 7/08	X	
	1,216,977	June 8, 1983	Canada	H04M 11/00	X	
	1,396,981		United kingdom			
	1,523,307	August 31, 1978	Great Britain	H03K 5/08	X	
	1,543,502	April 14, 1979	United Kingdom	G08B9/00	X	
	1,582,563	January 14, 1981	United Kingdom	G08B9/00	X	
	1,584,111	February 4, 1981	United Kingdom	G08B9/00	X	
	2,051,527	January 14, 1981	Great Britain	G06F 3/153	X	
	2,067,379	July 22, 1981	Great Britain	H04L 1/24	X	
	2,090,504	July 7, 1982	Great Britain	H04N 3/16	X	
	2,103,455	February 16, 1983	Great Britain	H04N 1/00 7/12	X	
	2,496,376	June 18, 1982	France	H04N 7/00		X
	2,516,733	May 5, 1983	France	H04N 7/00		X
	2,823,175	November 29, 1979	German	G06F 3/12		X
	24 53 441	May 13, 1976	Germany	H04L 9/00		X
	DE 3039949	May 6, 1982	German	H04M 3/42		X
	DE 3112249	October 7, 1982	German	G09G 1/28		X
	80/02901	December 24, 1980	France	H04N 7/16		X
	857,862	January 4, 1961	United Kingdom	40 (1)	X	
	DE 3020787	December 12, 1981	Germany	H04N 7/08		X
	GB 2 081 948 A	February 24, 1982	United Kingdom	H04Q 9/00		
	WO80/00292	February 21, 1980	Japan	H04N9/16		X
	WO83/00789	March 3, 1983	Japan	H04N 7/08		X
	WO89/02682	March 23, 1989	Japan	H04K 7/00	X	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.O./

## OTHER DOCUMENTS

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Hanas et al., "An Addressable Satellite Encryption System For Preventing Signal Piracy", November 1981, pp. 631-635.
	National Cable Television Association Executive Seminar Series, <u>Videotex Services</u> , October 1980, pp. 1-155.
	Kokado et al., "A Programmable TV Receiver", February 1976, pp. 69-82.
	J. Hedger et al., "Telesoftware-Value Added Teletext", August 1980, pp. 555-567.
	Marti, B., "The Concept Of A Universal "Teletext" June 1979, pp.1-11
	Article re: America's Talk-Back Television Experiment: Qube
	Article re: "Teletext-Applications in Electronic Publishing"
	Article re: A Description of the Broadcast Telidon System
	Article re: EPEOS--Automatic Program Recording System by G. Degoulet
	Article re: Teletext signals transmitted in UK...
	Article re: New services offered by a packet data broadcasting system
	Article re: Philips TV set indicates station tunign and color settings on screen
	Vincent,A.et al., "Telidon Teletest System Field Trias" (Abstract)
	Rzeszeewski, T., "A New Telletex Channel"
	Numaguchi, Y. et al., "Compatibility and Transmision Characteristics of Digital Signals Inserted in the Field-Blanking Interval of the Television Signal" (Abstract)
	Zimmerman, R. et al., Bildschirmtextesysteme (Abstract)
	Pilz, F., "Digital Codierte Uebertragungen von Text und Graphik in den Vertikal-anstastintervallen des Fernsehsignas" (Abstract)
	Pilz, F., "Uebertragung Insaitryliches Informationen, Insbesondere von Texten, In Ungenutryten Zeilen der Vertikal-Anstastlueke des Fernsehsignals" (Abstract)
	Numaguchi, Y., Wie man Stillstehende Bilder Uebertraegt. Ueberlick Ueber Teletext-, Fernseheinzelnbild-Und Faksimile-Uebertragungsverfahren (Abstract)
	Transcript, Videotex, Viewdata, and Teletext: Viewdata '801 Online Conference on Videotex, Viewdata and Teletext, London. March 26k-28, 1980 (Abstract)
	Graf, P.H., "Antiope-Uebertragung fuer Breitbandige Videotex-Verteildienste", 1981
	Poubread, J.J., "Cryptage' du Son Pour la Televiser A Peaque" 1981 (Abstract)
	Graf, P.H., "Das Videotex-System Antiope" 1980 (Abstract)
	Vardo, J.C., "Les Emetteurs de Television et la Diffusion de Donnees" 1980 (Abstract)
	Noirel, Y., "Constructin D'un Reseau de Diffusion de Donnees Par Paquets" 1979 (Abstract)
	Vardo, J.C., " Effet de Distorsions en Diffusion de Donnes. II. Resultats Theoriques" 1979 (Abstract)
	Baerfuss, C., "Experiences de Diffusion de Donnees dans un Canal de Television" 1979 (Abstract)
	Blineau, J., "Liasons Telex a Support Video Sur Des Circuits de Television Internationaux" 1979 (Abstract)
	Dublet, G., "Methodes Utilisees et Principaux Resultats Obtenus Lors D'Une Campagne de esure 'Didon' Dans la Refion Centre-est" 1978 (Abstract)
	Guinet, Y., "Etude Comparative des Systems de Teletexte en Radio-Diffusion. Quelques Avantages de la Diffusion des Donnees Par Paques Applique an Teletexte" 1977 (Abstract)
	Goff, R., "A Review of Teletext" 1978 (Abstract)
	Haplinsky, C.H., "The D**(2)B A One Logical Wire Bus for Consumer Applications" 1981

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Cazals, A., "cts Techniques du Teletexte Diffuse" 1981 (Abstract)
	Sechet, C. et al., "Epees et la Viideomessagerie" 1981 (Abstract)
	Cayet, A. "La Peritelevision Face a Son Public" 1981 (Abstract)
	"La Telematique au Service Des Entreprises et des Particliers: Les Reseaux - Les Produits Nouveaux - Les Aplication" 1980 (Abstract)
	Sechet, C., "Antiope Teletext Captioning" 1980
	Lambert, O. et al., "Antiope and D.R.C.S." 1980
	Broggini, P., "Antiope: La Bonne Information Au Bon Moment" 1980 (Abstract)
	Strauch, D., "(Texte Sur Ecran An Nivern International. Viewdata 80. Premeire Confrence Mendiiale Sur Viewdata, Video text at Teletext, a Londres)" 1980
	Strauch, D., "(Las Media De Telecommunication Devant la Rapture. Les Nonvellas Methodes Presentees a L'Exposition International 1979 de Radio (Et Television)) 1979
	Eymery, G., "Le Teletexte Antiope System D'Information a La Demande" 1979-1980 (Abstract)
	Brasq, R., "Micro 8 Bits Dans Linite Gestion da Terminal de Videotex Antiope"
	Hughes, JW, "Videotex and Teletext Systems" 1979
	Mari, B., "Terminologie Des Services de Communication De Texte" 1979 (Abstract)
	Schreber, H., "Antiope et Tietae, La Tele-Informatique Sur L'ecran De Votre Televiscur" 1978 (Abstract)
	Kulpok, A., "Videotext, Teletext, Bilschirmzeitung" 1979 (Abstract)
	Cochard, J.P. et al., "Antiope Prototype da Teletexte De Demain" 1979 (Abstract)
	Messerschmid, U., "Videotext: Ein Nueur Informations dienst in Fernschrund funk" 1978 (Abstract)
	D'Argoevves, T. et al., "La Chaîne Vieo: Magnetoscopes, Videodisqhes, Andiodisques" 1979 (Abstract)
	Klingler, R., "Les Systemes de Teletexte Unidirectionals" 1978 (Abstract)
	Guillemin, J., "Dix Annees D'Antomatisation Au Service De la Radiodiffusion" 1977 (Abstract)
	Brusq, R., "Le Terminal de Teletexte Antiope" 1977 (Abstract)
	Guinet, Y., "Les Systemes des Teletextes Antiope" 1977 (Abstract)
	Schwartz, C. et al., "Specification Preliminairie du Systeme Teletexte Antope" 1977 (Abstract)
	United States International Trade Commission notice of decision not to review Admin. law judges initial dismissal of complaint (case involves certain recombinantly Produced Human Growth Hormones)
	U.S. I.T.C.'s order granting Complainants Motion to Desqualify the Law Firm of Finnegan, Henderson et al. (Case involves Certain Cardiac Pacemakers and Components therof)
	Decision in Ford Motor Company v. Jerome H. Lemelson
	General Counsel's recommendation to U.S.I.T.C. to refuse a patent-based section 337 investigation based on a complaint filed not by the owner of the patents in issue, but by nonexclusive licensees
	Portion of ITC's Industry and Trade Summary serial publication
	Copy of ITC Admin. Judges Order #9: Initial Determination Terminating Investigation (Investigation #337-TA-373)
	"LSI Circuits for Teletext and Viewdata -- The Lucy Generation" published by Mullard Limited, Mullard House (1981)
	2 page article by Nicholas Negroponte in SID 80 Digest titled, "17.4/10:25 a.m.: Soft Fonts", pp. 184-185
	IEEE Consumer Electronics July 1979 issue from Spring Conference titled, "Consumer Text Display Systems", pp. 235-429
	Videotext '81 published by Online Conferences Ltd., for the May 20-22, 1981 Confernece, pp. 1-470
	"Teletext and Viewdata Costs as Applied to the U.S. Market" Published by Mullard House (1979), pp. 1-8

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.O./

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	CCETT publication titled, "Didon Diffusion de donnees parpaquets"
	Dalton, C.J., "International Broadcasting Convention" (1968), Sponsors: E.E.A., I.E.E., I.E.E.E., I.E.R.E., etc.
	Shorter, D.E.L., "The Distribution of Television Sound by Pulse-Code Modulation Signals Incorporated in the Video Waveform"
	Chorky, J.M., Shorter, D.E.L., "International Broadcasting Convention" (1970), pp. 166-169
	"The Implementation of the Sound-in-Sync project for Eurovision (Feb. 1975), pp. 18-22
	Maegele, Manfred, "Digital Transmissions of Two Television Sound Channels in Horizontal Banking", pp. 68-70
	Weston, J.D., "Digital TV Transmission for the European Communications Satellite" (1974), pp. 318-325
	Golding, L., "A 15 to 25 Mhz Digital Television System for Transmission of Commercial Color Television" (1967), pp. 1-26
	Huth, Gaylord K., "Digital Television System Design Study: Final Report (11/28/76), prepared for NASA Lyndon B. Johnson Space Center
	Weston, J.D., "Transmission of Television by Pulse Code modulation", Electrical Communication (1967), pp. 165-172
	Golding, L., "F1-Ditec-A-Digital Television Communications System for Satellite Links," Telecommunications Numeriques Par Satellite
	Haberle, H. et al., "Digital TV Transmission via Satellite", Electrical Communications (1974)
	Dirks, H. et al., "TV-PCM6 Integrated Sound and Vision Transmission System, Electrical Communication (1977), pp. 61-67
	Talygin, N.V. et al., The "Orbita" Ground Station for Receiving Television Programs Relayed by Satellites, Elecktroviz, pp. 3-5
	1973 NAB Convention Program, Mar. 25-28, 1973
	Portions of Electronic Engineer's Reference Book (1989) - Multichannel sound systems, Teletext transmission, cable television, ISDN applications, etc.
	Yoshido, Junko, teletext back in focus: VBI service revived as alternative delivery system, Electronic Engineering Times (1994) (Abstract)
	Blankenhorn, Dana, "Int'l Teletext expands market (International Teletext Communication Inc.)," NewsBytes (1993) (Abstract)
	Collin, Simon, PC Text II (Hardware Review (Shortlist), PC User (1990)
	Alfonzetti, Salvatore, "Interworking between teletext and OSI systems," Computer Communications (1989)
	Gabriel, Michael R., Videotex and teletex: Waiting for the 21st century?, Education Technology (1988)
	Voorman, J.O. et al., A one-chip Automatic Equalizer for Echo Reduction in Teletext, IEEE Transactions on Consumer Electronics, pp. 512-529
	National Online Meeting: Proceedings - 1982 sponsored by: Online Review, pp. 547-551
	MacKenzie, G.A., A Model for the UK Teletext Level 2 Specification (Ref: GTV2 242 Annex 6" based on the ISO Layer model
	Chambers, J.P., A Domestic Television Program Delivery Services, British Broadcasting Corporation, pp. 1-5
	McKenzie, G.A., UK Teletext - The Engineering Choices, Independent Broadcasting Authority, pp. 1-8
	Adding a new dimension to British television, Electronic Engineering (1974)
	Jones, Keith, The Development of Teletext, pp. 1-6
	Marti, B. et al., Discrete, service de television cryptee, Revue de radiodiffusion - television (1975), pp. 24-30

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Ando, Heichero et al., Still-Picture Broadcasting - A new Informational and Instructional Broadcasting System, IEEE Transactions on Broadcasting (1973), pp. 68-76
	Sauter, Dietrich, "Intelligente Komponenten Fur Das Afra-Bus-Fernsteuersystem", Rundfunk technischen Mittelungen, pp. 54-57
	Hogel, T. et al., "Afra-Bus-ein digitales Fersteuersystem fur Fernsehstudion Komplexe", Fernseh-Und Kino-Technik (1974), pp. 13-14
	Hogel, G., "Das Afra-Bus System: 2. Technische Struktur des AFRA-Bus-Systems", Fernseh-Und Kino-Technik (1975), pp. 395-400
	Krauss, G., "Das AFRA-Bus-System: 4. Wirtschaftlich Keits-betrachtungen und Rationalisierung seifekte beim Einsatz des AFRA-Bus-Systems", Fernseh-Und Kino-Technik (1976), pp. 40-49
	Wellhausen, H. "Das AFRA-Bus-System: 1. Grundsatzliche-Betrachtungen und Rationlisierung und Automatisierun in den Fernschbetreiben", Fernseh-Und Kino-Technik (1975), pp. 353-356
	Sauter, D., "Das AFRA-Bus-System: 3. Einsatz-moglich Keiten des Afra-Bus Systems in Fernsehbetrieben", Fernseh-Und Kino-Technik (1976), pp. 9-13
	B.B.C.I.B.A., Specification of Standards for information transmission by digitally coded signals in the field - blanking interval of 625-line systems (1974), pp. 5-40
	Centre Commun Des De Television et Telecommunications, Specification du Systeme Di Teletext, Antiope
	Heller, Arthur, "VPS - Ein Neues System Zuragsgesteuerten Programmanzeichnung, Rundfunk technisde Mitteilungen, pp. 162-169
	Institut fur Rundfunktechnik, "ARD/SDF/ZXEI - Richlinie "Video Programm-System", pp. 1-30
	Buro der Technischen Kommission, "Niederschrift uber die Besprechung zwischen Rundfunkanstalten (Techik, Sendeleiter) und ZVEI zur Einfuhrung des Video-Programm-Systems", pp. 1-4
	Buro der Technischen Kommission, "Ergebnisse und Festlegungen anda "Blich einer Besprechung zwishen Rundfunanstalten..", pp. 1-4
	Koch, H. et al., "Bericht der ad hoc - Arbeitsgruppe 'Videotext programmiert Videorecorder' der TEKO", pp. 1-40
	European Broadcasting Union, "Specification of the Domestic Video Programme Delivery Control System", pp. 1-72
	ARD/ZDF/ZVEI-Richtlinie "Video Programme System"
	Reports on Developments in USA, Teletext, EIA Meeting
	Videotex '81: A Special Report
	Tarrant, D.R., "Teletext for the World"
	Clifford, Colin et al., "Microprocessor Based, Software Defined Television Controller", IEEE Transaction on Consumer Electronics (1978), pp. 436-441
	Hughes, William L. et al., "Some Design Considerations for Home Interactive Terminals", IEEE Transactions on Broadcasting (1971)
	Mothersdale, Peter L. , "Teletext and viewdata: new information systems using the domestic television receiver", Electronics Record (1979), pp. 1349-1354
	Betts, W.R., "Viewdata: the evolution of home and business terminals", PROC.IEE (1979), pp. 1362-1366
	Hutt, P.R., "Thical and practical ruggedness of UK teletext transmission", PROC.IEE (1979), pp. 1397-1403
	Rogers, B.J., "Methods of measurement on teletext receivers and decoders", PROC.IEE (1979), pp.1404-1407
	Green, N., "Subtitling using teletext service - technical and editorial aspects", PROC.IEE (1979), pp. 1408-1416



Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Chambers, M.A., "Teletext - enhancing the basic system", PROC.IEE (1979), pp. 1425-1428
	Crowther, G.O., "Adaptation of UK Teletex System for 525/60 Operation", IEEE Transactions on Consumer Electronics (1980), pp. 587-596
	Marti, B. et al., "Discrete, service de television cryptee", Revue de radiodiffusion - television (1975), pp. 24-30
	Lopinto, John, "The Application of DRCS within the North American Broad cast Teletext Specification", IEEE Transactions on Consumer Electronics (1982), pp. 612-617
	BBC, BBC Microcomputer: BBC Microcomputer with Added Processor and Teletex Adaptor (Manual)
	Green, N.W., "Picture Oracle," On Independent Television Companies Association Limited Letterhead
	National Captioning Institute, Comments on the Matter of Amendment of Part 73, Subpart E. of the Federal Communications Rules Government Television Stations to Authorize Teletext (before F.C.C.)
	Balchin, C., "Videotext and the U.S.A.", I.C. Product Marketing Memo
	Koteen and Burt, "British Teletext/Videotex"
	EIA Teletext SubCommittee Meetings, Report on USA Visit
	Brighton's Experience with Software for Broadcast (Draft)
	The institution of Electronic and Radio Engineers, Conference on Electronic Delivery of Data and Software
	AT&T, "Videotex Standard Presentation Level Protocol"
	Various Commissioner statements on Authorization of Teletext Transmissions by TV Stations, BC Docket No. 81-741
	Report and Order of FCC on the Matter of Amendment of Parts 2,73, and 76 of the Commission's Rules to Authorize the Transmission of Teletext by TV Stations, pp. 1-37
	IBA Technical Review of Digital Television, pp. 1-64
	National Cable Television Association report, "Videotex Services" given at Executive Seminar
	LEXIS Research results for Patent No. 4,145,717
	Web page - Company Overview of Norepack Corporation
	Coversheet titled, "Zing"
	Lemelson v. Apple Computer, Inc. patent case in The Bureau of National Affairs, 1996
	A computer printout from Library Search
	Electronic Industries Association - Teletext Subcommittee Task Group A - Systems Minutes of Meeting 3/30/81 at Zenith plus attachments
	Electronic Industries Association - Teletext Subcommittee Task Group A Systems Interim Report, 3/30/81 by Stuart Lipoff, Arthur D. Little Inc.
	Minutes of Eletronic Industries Association Teletext Subcommittee Task Force B - Laboratory & Field Tests 3/30/81
	National Captioning Institute Report, "The 1980 Closed-Captioned Television Audience"
	Electronic Industries Assoc. - Teletext Subcommittee - Steering Committee Minutes of Meeting on 3/31/81
	8/6/90 letter from Herb Zucker to Walter Ciciora with attachment
	Articles, information sheets under cover sheet "QVP - Pay Per View" 11/29/82
	National Cable Television Association report, "Videotex Services"
	Scala Info Channel Advertisement, "The Art of Conveying A Message"
	Zenith Corporation's Z-Tac Systems information includes Z-tac specifications, access list, etc.
	Report by Cablesystems Engineering Ltd. on, "Zenith Addressable System and Operating Procedures" and Advertising documents

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.O./

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	Memo from W. Thomas to G. Kelly on 1/21/82 Re: Modified ZTAC/Multi Channel
	Notations by Walt Ciciora dated 8/19/81 referring to Virtext figures
	Stamped Zenith Confidential, "Preliminary Specification for Basic Text"
	Report titled "The Necams Business Plan," dated March 18, 1994
	The Personalized Mass Media Corp. reported titled, "Portfolio of Programming Examples" by Harvey, Keil, & Parker 1991
	Petition to FCC dated 3/26/81 titled, "Petition for Rulemaking of Unighted Kingdom Teletext Industry Goup," also 1 page of handwritten notes from Walter Ciciora
	"Enhanced Computer Controlled Teletext for 525 Line Systems (Useccct) SAA 5245 User Manual" report by J.R. Kinghorn
	"Questions and Answers about Pay TV" by Ira Kamen
	Oak Industries 1981 Annual Report
	Article, "50 Different Uses For At Home 2-Way Cable TV Systems" by Morton Dubin
	Derwent Info Ltd. search. Integrated broadcasting & Computer Processing system. Inventor J. Harvey/J. Cuddihy
	Telefax from Arjen Hooiveld to Jones, Day, Reavis & Pogue Re: European Patent Appl. No. 88908836.5 and abstract plus related correspondence and Derwent search
	Advertisement in royal TV Society Journal (1972) for PYE TVT
	Letter to Dean Russell listing "reference papers", pp. 1-4
	Letter from George McKenzie to Dean Russell RE: PMM Corp., v. TWC Inc.
	Reisebericht (German memo)
	Blanpunk (German memo)
	"Relevant papers for Weather Channel V PMMC"
	Letter to Peter Hatt Re: BVT: Advisory UK Industry Contact Group
	Incomplete report on Antiope
	Memo FCC: Next Moves.
	Memo - Re: British Teletext -- ABC
	Memo with FCC Report and Order Authorizing Teletext Transmission
	Manual
	Notes to Section 22.4: Simple Block Encipherment Algorithm
	Memos on Zenith and Teletext
	Memo to Bernie Kotten about National Cable TV Association meeting and effort to encourage Sony to integrate teletext chip sets into its TV
	Memo's from Koteen & Naftalin
	Description of patents from Official Gazette
	Explanation of Collateral Estoppel
	BNA's Intellectual Property Library on CD's summary of Jamesbury Corporation v. United States
	BNA's Intellectual Property printouts of Lemelson v. Apple Computer, Inc.
	ITC Judge Order denying Motion for Summary Judgment in the Matter of Certain Memory Devices with Increased Capacitance and Products Containing Same, Investigation #337-TA-371
	Decision in court case Corbett v. Chisolm and Schrenk involving patent #3,557,265
	Matthew Beaden Printouts regarding interference practice and the Board Interference
	BNA's Intellectual Property Library on CD printouts about Corbett v. Chisolm
	numerous Group W business cards including James Cuddihy

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Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
	numerous Group W business cards including James Cuddihy
	The Broadcast Teletext Specification, published by the BBC, The IBA and the British Radio Equipment Manufacturers' Association (1976)
	Kahn, et al., "Advances in Packet Radio Technology,"..... Proceedings of the IEEE, Vol. 66, No. 11, Nov. (1978) pp. 1468-1495
	Clifford, C., "A Universal Controller for Text Display Systems," IEEE Transactions on Consumer Electronics, (1979) pp. 424-429
	Harden, B., "Teletext/Viewdata LSI," IEEE Transactions on Consumer Electronics, (1979), pp. 353-358
	Bown, H. et al., "Comparative Terminal Realizations with Alpha-Geometric Coding," IEEE Transaction on Consumer Electronics, (1980), pp. 605-614
	Crowther, "Dynamically Redefinable Character Sets--D.R.C.S.," IEEE Transaction on Consumer Electronics, (1980), pp. 707-716
	Chambers, John et al., "The Development of a Coding Hierarchy for Enhanced UK Teletext," IEEE Transaction on Consumer Electronics, (1981), pp. 536-540
	Reexamination of U.S. Patent No. 4,706,121
	U.S. Patent Application by T. Diepholz (Serial No. 266900)
	List of relevant or searched patents
	88908836.5 and Amendments to John C. Harvey,. European Patent Office
	88908836.5 International Application to John C. Harvey
	Kruger, H.E., "Memory Television, the ZPS Digital Identification System," pp. 1-9.

EXAMINER  /Jorge L. Ortiz-Criado/	DATE CONSIDERED  08/29/2011
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).	

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